

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 09650/005001	SERIAL NO. 09/136,868 10/655,992
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Ronald P. Knockeart et al.	
(37 CFR 1.98(b))		FILING DATE August 19, 1998	GROUP 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ntb	AA 4 7 9 6 1 9 1	01/03/89	Honey et al.			
	AB 5 3 1 1 1 9 5	05/10/94	Mathis et al.			
	AC 5 5 0 4 4 8 2	04/02/96	Schreder			
	AD 5 5 4 3 7 8 9	08/06/96	Behr et al.			
	AE 5 5 5 9 5 5 1	09/24/96	Ito et al.			
	AF 5 5 6 5 8 7 4	10/15/96	Rode			
	AG 5 5 8 7 9 1 1	12/24/96	Asano et al.			
	AH 5 6 1 2 8 8 1	03/18/97	Moroto et al.			
	AJ 5 6 4 2 1 0 6	06/24/97	Hancock et al.			
ntb	AJ 5 8 7 5 4 1 2	02/23/99	Sulich et al.			
	AK					

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
ntb AL WD 96/07110	03/07/96	PCT				
ntb AM EPO 379 198 A	07/25/90	Europe				
AN						
AO						
AP						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ	Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System
AR	
AS	

EXAMINER <i>K. Nguyen</i>	DATE CONSIDERED 9/10/04
----------------------------------	--------------------------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868 - 10/655,992
	Applicant Ronald P. Knockeart et al.		
	Filing Date August 19, 1998	Group Art Unit 3661	

U.S. Patent Documents							
Examiner Initial	Design ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ntg	AA	5,563,607	10/08/96	Loomis et al.	342	357	
	AB	5,539,645	07/23/96	Mandhyan et al.	364	438	
	AC	5,334,986	08/02/94	Ferhout	342	357	
	AD	5,243,528	09/07/93	Lefebvre	364	449	
ntg	AE	5,072,395	12/10/91	Bliss et al.	364	443	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Design ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
ntg	AF	96/21193	07/11/96	WO				
	AG	96/00373	01/04/96	WO				
	AH	0 786 646 A2	07/30/97	Europe				
	AI	0 354 684	02/14/90	Europe				
	AJ	0 349 652	01/10/90	Europe				
	AK	41 39 581 A1	06/03/93	Germany				
ntg	AL	43 00 927 A1	07/21/94	Germany				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Design ID	Document
	AM	
	AN	
	AO	
	AP	
	AQ	

Examiner Signature <i>Kuyelove</i>	Date Considered 9/10/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868 10/655,992
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Ronald P. Knockeart et al.	
		Filing Date August 19, 1998	Group Art Unit 3662 3661

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
nto	AA	4733356	03/22/88	Haeussermann, et al.			
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.			
	AD	5043902	08/27/91	Yokoyama, et al.			
	AE	5172321	12/15/92	Ghaem, et al.			
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5610821	03/11/97	Gazis, et al.			
	AN	5635953	06/03/97	Hayami, et al.			
	AO	5648768	07/15/97	Bouve			
	AP	5648769	07/15/97	Sato, et al.			
	AQ	5651056	07/22/97	Eting, et al.			
	AR	5659476	08/19/97	LeFebvre, et al.			
	AS	5794164	08/11/98	Beckert, et al.			
	AT	5808566	09/15/88	Behr, et al.			
	AU	5922041	07/13/99	Anderson			
	AV	5924075	07/13/99	Kanemitsu			
	AW	5938721	08/17/99	Dussell, et al.			
	AX	5951620	09/14/99	Ahrens, et al.			
	AY	5959577	09/28/99	Fan, et al.			
	AZ	6070124	05/30/00	Nimura, et al.			
nto	AAA	6124826	09/26/00	Garthwaite, et al.			

Examiner Signature <i>R. Knockeart</i>	Date Considered 9/10/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 09650-005001	Application N. 09/136,868 10/655,992
	Applicant Ronald P. Knockeart et al.			
	Filing Date August 19, 1998		Group Art Unit 3662 3661	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
nto	ABB	6131064	10/10/00	Vieweg			
nto	ACC	6216086	04/10/01	Seymour, et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	ADD							

Examiner Signature <i>M. J. J. J.</i>	Date Considered 9/10/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Us several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Dock t No. 09650-005001	Application No. 09/136,868 10/655,992
	Applicant Ronald P. Knockeart et al.		
	Filing Date August 19, 1998	Group Art Unit 3662 3661	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
Nto	AA	5,559,707	09/24/96	DeLorme et al.			
	AB	5,638,280	06/10/97	Nishimura et al.			
	AC	5,774,824	06/30/98	Streit et al.			
	AD	5,802,492	09/01/98	DeLorme et al.			
	AE	5,848,373	12/08/98	DeLorme et al.			
	AF	5,862,500	01/19/99	Goodwin			
	AG	5,948,040	09/07/99	DeLorme et al.			
	AH	6,009,403	12/28/99	Sato			
	AI	6,032,089	02/29/00	Buckley			
	AJ	6,075,467	06/13/00	Ninagawa			
	AK	6,076,041	06/13/00	Watanabe			
	AL	6,141,609	10/31/00	Herdeg et al.			
Nto	AM	6,249,767	06/19/01	Okayama et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input type="checkbox"/> No <input type="checkbox"/>
Nto	AN	0 317 181 B1	05/24/89	Europe			
	AO						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AP	
	AQ	
	AR	
	AS	

Examiner Signature <i>[Signature]</i>	Date Considered 9/10/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

10/655,992

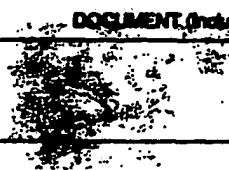
Notice of References Cited		Application No. 09/136,868		Applicant(s) KNOCKEART ET AL	
		Examiner T. BLUM		Group Art Unit 3662	
				Page ___ of ___	
U.S. PATENT DOCUMENTS					
*		DOCUMENT NO.	DATE	NAME	CLASS SUBCLASS
	A	6028537	2-22-00	SUMAN ET AL	340 998
	B				
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
FOREIGN PATENT DOCUMENTS					
*		DOCUMENT NO.	DATE	COUNTRY	NAME CLASS SUBCLASS
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
NON-PATENT DOCUMENTS					
*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)			DATE
	U				
	V				
	W				
	X				

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Aguyerblum

9/10/04

10/655,992

Notice of References Cited		Application No. 09/136868	Applicant(s) KNOCKEART ET AL			
		Examiner T. BLUM	Group Art Unit 3662	Page ___ of ___		
U.S. PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	
A	6169515	1-2-01	MANNINGS ET AL	342	357.1	
B	5364093	11-15-94	HUSTON ET AL	—	—	
C	5955973	9-21-99	ANDERSON	340	988	
D	5394333	2-28-95	KAO	340	990	
E	5243528	9-7-93	LEFEBVRE	340	988	
F						
G						
H						
I						
J						
K						
L						
M						
FOREIGN PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						
NON-PATENT DOCUMENTS						
*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE	
U						
V						
W						
X						


* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Ungerer

9/10/04

Notice of References Cited	Application/Control N . 08/138,858 10/655,992	Applicant(s)/Patent Under R examination KNOCKEART ET AL	
	Examiner Theodore M. Blum	Art Unit 3682	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,324,472	11-2001	O'Shea	701/211
	B	US-5,802,482	09-1998	DeLorme et al 	701/200
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Myerelson

9/10/04

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.